

ABSTRACT

An exhaust system sound-reducing component for use with a silencer on an off-road vehicle. The component includes an adapter, an exhaust extension and a U-joint that connects the adapter with the extension. The adapter includes an exhaust port that communicates with the atmosphere and a discharge opening that communicates with the exhaust extension. One portion of the exhaust and sound from the silencer is transmitted the exhaust port while another portion is transmitted through the discharge opening in the adaptor, through the exhaust passage, the U-joint and the exhaust extension and out to the atmosphere. As such, any sound traveling with the exhaust exiting the exhaust port of the chamber will be out of phase with any sound exiting the exhaust opening. This out of phase action of the sound results in reduced noise levels.